

WE Claim:

CLAIMS

1. A substantially purified human tumor protein comprising the amino acid sequence of SEQ ID NO:1 or fragments thereof.

2. An isolated and purified polynucleotide sequence encoding the protein of claim 1.

3. An isolated and purified polynucleotide sequence of claim 2 consisting of SEQ ID NO:2 or variants thereof.

4. A polynucleotide sequence which is complementary to SEQ ID NO:2 or variants thereof.

5. A recombinant expression vector containing the polynucleotide sequence of claim 2.

6. A recombinant host cell containing the vector of claim 5.

7. A method for producing a polypeptide comprising a polypeptide of SEQ ID NO:1, the method comprising the steps of:

- a) culturing the host cell of claim 6 under conditions suitable for the expression of the polypeptide; and
- b) recovering the polypeptide from the host cell culture.

8. A pharmaceutical composition comprising a substantially purified human tumor protein having an amino acid sequence of SEQ ID NO:1 in conjunction with a suitable pharmaceutical carrier.

9. A purified antibody which binds specifically to the polypeptide of claim 1.

10. A purified antagonist which specifically regulates or modulates the activity of the polypeptide of claim 1.

11. A pharmaceutical composition comprising the antagonist of claim 10 in conjunction with a suitable pharmaceutical carrier.

12. A method for treating cancer comprising administering to a subject in need of such treatment an effective amount of the pharmaceutical composition of claim 11.